

HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: ASSISTANT COMMISSIONER OF PATENTS, WASHINGTON, D.C. 20231 ON THE DATE INDICATED BELOW.

BY:

Valerie Balfour

DATE:

9/11/01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application Suzanne Walker, *et al.*

: Group Art Unit: TBA

Appln. No.: 09/829,275

: Examiner: TBA

Filed: April 9, 2001

For: CRYSTALS OF THE *ESCHERICHIA COLI* MEMBRANE-

ASSOCIATED GLYCOSYLTRANSFERASE (MurG)

PROTEIN, ATOMIC COORDINATES AND THREE

DIMENSIONAL STRUCTURES THEREOF, ATOMIC

COORDINATES AND THREE DIMENSIONAL STRUCTURES:

OF BINDING DOMAINS THEREOF, IMAGES THEREOF,

AND METHODS FOR CRYSTALLIZING MurG PROTEINS,

MODELS OF UDP-GLYCOSYLTRANSFERASES, MurG

PROTEINS AND BINDING SITES, METHODS OF MAKING

MODELS, METHODS OF USING MODELS OF MurG

COMPOUNDS THAT BIND, INHIBIT OR STIMULATE

MurG PROTEINS, AND THERAPEUTIC COMPOSITIONS

THEREOF

Assistant Commissioner of Patents
Washington, D.C. 20231

SIR:

**RESPONSE TO NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL
APPLICATION**

In response to the Notice to File Missing Parts of Nonprovisional Application mailed June 19, 2001 having a two month time period for response which expired August 19, 2001, a petition for a one month extension and the requisite fee being submitted herewith, Applicants have provided herewith:

09/17/2001 MBERHE 00000057 09829275

02 FC:215

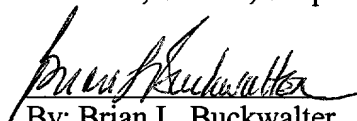
55.00 DP

1. Copy of Notice to File Missing Parts Under 37 CFR 1.53(b)
2. An executed declaration along with a check for the requisite \$65.00 late fee;
3. A substitute specification in compliance with 37 CFR 1.52;
4. Four substitute drawings in compliance with 37 CFR 1.84;
5. A diskette with a computer-readable sequence listing;
6. A paper copy of the sequence listing;
7. A verification statement as required under 37 CFR §1.821(f);
8. A Preliminary Amendment.

CONCLUSION

All defectives have been corrected and the application is now believed to be in condition for examination and a prompt first Office Action on the merits of the application is respectfully requested. In the event, the fee tendered herewith is deemed incorrect, authority is hereby given to charge any such deficiency or credit any overpayment to Deposit Account No. 13-2165 Mathews, Collins, Shepherd & Gould. The Examiner is invited to contact the undersigned if further information is required.

Respectfully submitted,
Mathews, Collins, Shepherd & Gould, P.A.


By: Brian L. Buckwalter
Registration No. 46,585
Agent for Applicants

September 11, 2001
100 Thanet Circle, Suite 306
Princeton, NJ 08540-3662
Telephone 609-924-8555
Telecopier 609-924-3036

Please type a plus sign (+) inside this box → ☐

PTO/SB/21 (08-00)

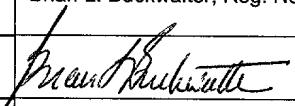
Approved for use through 10/31/2002. OMB 0651-0031

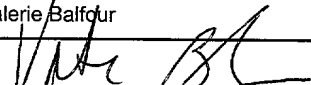
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM SEP 11 2001 (to be used for all correspondence after initial filing) U.S. PATENT & TRADEMARK OFFICE	Application Number	09/829,275	
	Filing Date	April 9, 2001	
	First Named Inventor	Suzanne Walker, et al.	
	Group Art Unit	TBA	
	Examiner Name	TBA	
Total Number of Pages in This Submission	83	Attorney Docket Number	4555-105 US

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input checked="" type="checkbox"/> Response to Missing Parts/ Incomplete Application <input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input checked="" type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below). Request for Corrected Filing Receipt
Remarks		Sequence ID listing with diskette version and Statement To Support Filing and Submission SUBSTITUTE SPECIFICATION

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Brian L. Buckwalter, Reg. No. 46,585 for Mathews, Collins, Shepherd & Gould, P.A.
Signature	
Date	Sept. 11, 2001

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: <input type="text"/>			
Typed or printed name	Valerie Balfour		
Signature		Date	9/11/01

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Assistant Commissioner for Patents, Washington, DC 20231.

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FEE TRANSMITTAL
for FY 2001

SEP 11 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 120

Complete if Known

Application Number	09/829,275
Filing Date	April 9, 2001
First Named Inventor	Suzanne Walker, et al.
Examiner Name	TBA
Group / Art Unit	TBA
Attorney Docket No.	4555-105 US

METHOD OF PAYMENT (check one)1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:Deposit
Account
Number

13-2165

Deposit
Account
Name

Mathews, Collins, Shepherd & Gould, P.A.

☒ Charge Any Additional Fee Required
Under 37 CFR 1.16 and 1.17
☐ Applicant claims small entity status.
See 37 CFR 1.27
2. ☒ Payment Enclosed.
☒ Check ☐ Credit card ☐ Money Order ☐ Other
FEE CALCULATION**1. BASIC FILING FEE**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1)

(\$) 0

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
-20** = 0	X	0	0
Independent Claims -3** = 0	X	0	0
Multiple Dependent	X	0	0

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$) 0

**or number previously paid, if greater, For Reissues, see above

FEE CALCULATION (continued)

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	55
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	130	123	130	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) Notice to file missing parts - Declaration					65

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

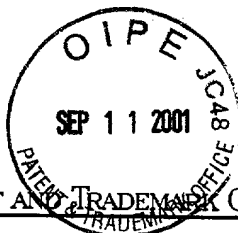
(\$) 120

SUBMITTED BY**Complete (if applicable)**

Name (Print/Type)	Brian L. Buckwalter	Registration No. Attorney/Agent)	46,585	Telephone	(609) 924-8555
Signature				Date	Sept. 11, 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/829,275	04/09/2001	Suzanne Walker	4555-105 US

CONFIRMATION NO. 7235

FORMALITIES LETTER



OC000000006199745

Mathews, Collins, Shepherd & Gould, P.A.
Suite 306
100 Thanet Circle
Princeton, NJ 08540

Date Mailed: 06/19/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 65.**

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- A substitute specification in compliance with 37 CFR 1.52 because:
 - Papers contain improper margins. *Each sheet must have a left margin of at least 2.5 cm (1") and top, bottom and right margins of at least 2.0 cm (3/4")*
- Substitute drawings in compliance with 37 CFR 1.84 because:
 - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);
- This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's

09/17/2001 NBERHE 00000057 09829275 65.00 DP
01 16:205

attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing", an initial paper or compact disc copy of the "Sequence Listing", as well as an amendment directing its entry into the application. Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase PatentIn Software, call (703) 306-2600
- For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

*A copy of this notice **MUST** be returned with the reply.*



Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE